

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## FOIL and Factor solution (version 119)

FOIL the expressions shown below:

1.  $(x - 2)(x - 3)$

$$x^2 - 5x + 6$$

2.  $(x - 5)(x - 7)$

$$x^2 - 12x + 35$$

3.  $(x - 8)(x - 5)$

$$x^2 - 13x + 40$$

4.  $(x - 5)(x + 3)$

$$x^2 - 2x - 15$$

5.  $(x + 8)(x - 1)$

$$x^2 + 7x - 8$$

**Factor the expressions shown below:**

6.  $x^2 + 14x + 45$

$$(x + 9)(x + 5)$$

7.  $x^2 + x - 20$

$$(x + 5)(x - 4)$$

8.  $x^2 - 16x + 63$

$$(x - 7)(x - 9)$$

9.  $x^2 + 16x + 63$

$$(x + 7)(x + 9)$$

10.  $x^2 - 3x - 28$

$$(x - 7)(x + 4)$$